

Europäisches Patentamt
European Patent Office
Office européen des brevets



(11) EP 1 180 890 A2

(12) EUROPEAN PATENT APPLICATION

(43) Date of publication:
20.02.2002 Bulletin 2002/08

(51) Int Cl.7: H04L 29/06, G06F 17/40,
G06F 17/30

(21) Application number: 01307023.0

(22) Date of filing: 17.08.2001

(84) Designated Contracting States:
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU
MC NL PT SE TR
Designated Extension States:
AL LT LV MK RO SI

(30) Priority: 17.08.2000 US 642615

(71) Applicant: FusionOne, Inc.
San Jose, California 95113 (US)

(72) Inventors:
• Multer, David L.
Santa Cruz, California 95060 (US)

- Ridgard, Leighton A.
Ellenwood, Georgia 30294 (US)
- Garner, Robert E.
Lawrenceville, Georgia 30043 (US)
- Stannard, Liam J.
Lawrenceville, Georgia 30043 (US)
- Cash, Donald W.
Dunwoody, Georgia 30338 (US)
- Robertson, Joseph
Winterville, Georgia 30683 (US)

(74) Representative: Butler, Michael John
Frank B. Dehn & Co., European Patent Attorneys,
179 Queen Victoria Street
London EC4V 4EL (GB)

(54) Change log aggregation and optimization

(57) A change log aggregation and optimization mechanism and methodology for updating and synchronizing application data and application files in a client device of a data transfer and synchronization system. The contents of a plurality of change logs reflecting the then current changes to the application data of the client device are downloaded and merged into an aggregate log. Instead of applying each change log as it is downloaded, the contents of the aggregate log, representing all changes to application data and/or application files recorded in prior change logs, are then applied to the client device to update application data and/or application files in the client device.

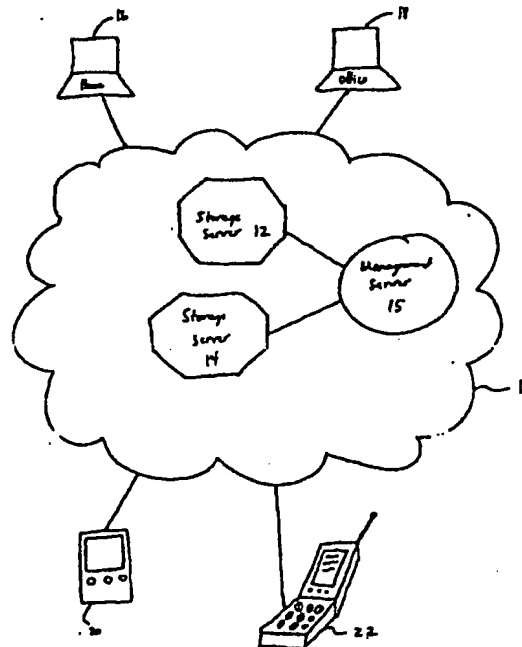


FIG. 1